## MMS OIL-SPILL MODELING PUBLICATIONS February 2001

## **JOURNAL ARTICLES**

Oil-spill Research Program of the US Minerals Management Service, Robert P. LaBelle and Elmer P. Danenberger, Spill Science & Technology Bulletin 4(3), Great Britain: Elsevier Science Ltd., 1998.

Comparative Occurrence Rates for Offshore Oil Spills, Cheryl M. Anderson and Robert P. LaBelle, Spill Science & Technology Bulletin 1(2):131-141, Great Britain: Elsevier Science Ltd, 1995.

The 1993 Oil Spill off Tampa Bay, a Scenario for Burning?, Robert P. LaBelle, J.A. Galt, E.J. Tennyson, and K.B. McGrattan, Spill Science & Technology Bulletin 1(1):5-9, Great Britain: Elsevier Science Ltd, 1994.

Risk Assessment and Planning for Future Emergencies, Robert P. LaBelle, Journal of Advanced Marine Technology Conference, Vol. 11: 163-176, Tokyo, Japan, 1994.

Potential Use of Circulation/Pollutant Transport Models for Impact Assessment on the U.S. EEZ, Robert P. LaBelle, 1990, Ocean Resources I:309-319: Netherlands, Kluwer Academic Publishers.

Estimated Occurrence Rates for Accidental Oil Spills on the U.S. Outer Continental Shelf, Cheryl M. Anderson and Robert P. LaBelle, 1990, Oil and Chemical Pollution 6:21-35

The Application of Oceanography to Oil-Spill Modeling for the Outer Continental Shelf Oil and Gas Leasing Program, Robert P. LaBelle and Cheryl M. Anderson, 1985, Marine Technology Society Journal 19(2):19-26.

Offshore Oil Spills: Analysis of Risks, David E. Amstutz and William B. Samuels, 1984, Marine Environmental Research 13:303-319.

Calculations of Seabird Population Recovery from Potential Oilspills in the Mid-Atlantic Region of the United States, William B. Samuels and Anthony Ladino, 1983, Ecological Modelling 21:63-84.

Comment on "Steady Wind- and Wave-Induced Currents in the Open Ocean", David E. Amstutz and William B. Samuels, 1984, Journal of Physical Oceanography 14(2):484-485.

Applications of Oilspill Trajectory Models to the Alaskan Outer Continental Shelf, William B. Samuels, Robert P. LaBelle, and David E. Amstutz, 1983, Ocean Management 8(3):233-250

*Small Scale Oil Slick Modeling in the Santa Barbara Channel California*, Kenneth J. Lanfear and William B. Samuels, <u>in</u> Waste Disposal in the Oceans: Issues for the 80's (D.F. Soule and D. Walsh, eds.), Westview Press, Boulder, Colo., 1983, pp. 63-75.

Simulations of Seabird Damage and Recovery from Oilspills in the Northern Gulf of Alaska, William B. Samuels and Kenneth J. Lanfear, 1982, Journal of Environmental Management 15:169-182.

An Oilspill Trajectory Analysis Model with a Variable Deflection Angle, William B. Samuels, Norden E. Huang, and David E. Amstutz, 1982, Ocean Engineering 9(2):347-360.

## **PUBLISHED PROCEEDINGS**

Meeting the Challenge of Deepwater Spill Response, Robert P. LaBelle and James S. Lane, Proceedings: International Oil Spill Conference 2001, Tampa, Florida, March 26-29, 2001.

Overview of U.S. Minerals Management Service Activities in Deepwater Research, Robert LaBelle, Proceedings: Fourth International Marine Environmental Modelling Seminar, Athens, Greece, October 4-6, 2000.

*Deepwater Environmental Concerns*, Robert P. LaBelle, Proceedings of the 1998 Technology Conference, Houston, TX, May 4-7, 1998.

Near-shore Circulation in the Northeast Gulf of Mexico: Observations and Modeling, Walter R. Johnson, Proceedings: Sixteenth Annual Gulf of Mexico Information Transfer Meeting, December 1996, MMS 97-0038, U.S. Dept. of the Interior, Minerals Management Service, Gulf of Mexico OCS Region, pp. 286-293.

Exporting Alaskan North Slope Crude Oil: Evaluation of Oil Spill Risks, Robert P. LaBelle, Charles F. Marshall, Cheryl M. Anderson, and Walter R. Johnson (Poster Presentation), Proceedings of 1997 International Oil Spill Conference, Fort Lauderdale, FL, April 7-10, 1997, pp. 1002-1004.

Offshore Oil-Spill Occurrence Rates, Robert P. LaBelle and Cheryl M. Anderson, Proceedings of the Oceans 96 MTS/IEEE Conference, Fort Lauderdale, FL, September 23-26, 1996.

Surface Drifters in the Eastern Gulf of Mexico, Robert P. LaBelle, Walter R. Johnson, and Pearn P. Niiler, Proceedings of the Oceans 96 MTS/IEEE Conference, Fort Lauderdale, FL, September 23-26, 1996.

Comparison of Simulated and Observed Surface Currents Used in Oil-Spill Model, Robert P. LaBelle, Charles F. Marshall, and Pearn P. Niiler, Proceedings of the Nineteenth Arctic and

Marine Oilspill Program (AMOP) Technical Seminar, pp. 847-855, Calgary, Canada, June 12-14, 1996

Results of the SCULP Drifting Buoy Program, Walter R. Johnson, Robert P. LaBelle, and Pearn P. Niiler, Proceedings of the Fifteenth Annual Gulf of Mexico Information Transfer Meeting, OCS Report MMS 96-0056, pp. 347-353, New Orleans, La., December 1995.

Measuring Surface Currents with Lagrangian Drifters in the Gulf of Mexico, Robert P. LaBelle and Pearn P. Niiler, Proceedings of the Third Thematic Conference, Remote Sensing for Marine and Coastal Environments, pp. I-537, Seattle, WA, September 18-20, 1995.

Comparison of Oil Trajectory Model with Drifting Buoys, Robert P. LaBelle, Charles F. Marshall, and Pearn P. Niiler, Proceedings of the First International Conference on Water Resources Engineering, American Society of Civil Engineers, vol. 1, pp. 643-647, San Antonio, TX, August 14-18, 1995.

Surface Drifter Deployment in Experimental Oil Spill, Robert P. LaBelle, James M. Price, Walter R. Johnson, and Charles F. Marshall, Proceedings of the 18th Arctic and Marine Oilspill Program Technical Seminar, pp. 492-503, Edmonton, Alberta, Canada, June 14-16, 1995.

Oil-Spill Research Program of the U.S. Minerals Management Service, Robert P. LaBelle and Elmer P. Danenberger, Proceedings of the Second International Oil Spill Research and Development Forum, London, England, May 23-26, 1995.

Application of Oil-Spill Simulations to Tanker Routing off the U.S. Coast, Robert P. LaBelle and Charles F. Marshall, Proceedings of the 1995 International Oil Spill Conference, pp. 265-273, Long Beach, California, February 27-March 2, 1995.

*Program to Develop and Test Satellite-Tracked Surface Drifters*, Robert P. LaBelle, W.R. Johnson, and J.M. Price, Proceedings of the Second Thematic Conference on Remote Sensing for Marine and Coastal Environments, pp. I-546-548, New Orleans, LA, January 31-February 2, 1994.

1993 Spill Off Tampa Bay, a Candidate for Burning? Robert P. LaBelle, J.A. Galt, E.J. Tennyson, and K.B. McGrattan, Proceedings of the 17th Arctic and Marine Oil Spill Program Technical Seminar, pp. 635-649, Vancouver, Canada, June 8-10, 1994.

*Update of MMS Ocean Drifter Programs*, Robert P. LaBelle, Proceedings of the 17th Arctic and Marine Oil Spill Program Tech. Seminar, pp. 1195-1206, Vancouver, B.C., June 8-10, 1994.

Stochastic Oil-Spill Analysis for Cook Inlet/Shelikof Strait, Robert P. LaBelle and Walter R. Johnson, Proceedings of the 16th Arctic and Marine Oilspill Program Technical Seminar, pp. 573-585, Calgary, Canada, June 7-9, 1993.

Oil-Spill Trajectory Analysis for U.S. Coastal Waters, Robert P. LaBelle, M.G. Hegy, Proceedings of the 1993 International Oil-Spill Conference, pp. 834-836, Tampa, FL, March 29-April 1, 1993.

Risk Assessment Initiatives in the U.S. Beaufort Sea, Walter R. Johnson and Terri Paluszkiewicz, Proceedings of the Arctic and Marine Oilspill Program Technical Seminar, Edmonton, Canada, June 10-12, 1992.

Comparison of Modeled Lagrangian Trajectory Statistics, Walter R. Johnson and Robert P. LaBelle, Proceedings of the 1991 Oil Spill Conference, pp. 737-739, San Diego, CA, March 4-7, 1991.

Overview of Significant Offshore Oil Spills, Robert P. LaBelle, Proceedings of International Conference on Lessons Learned From Major Oil Spills, St. Petersburg, FL, September 27-27, 1990.

*Risk Assessment of Offshore Oil Spills*, Robert P. LaBelle, Proceedings of the Thirteenth Arctic and Marine Oil Spill Program Technical Seminar, June 6-8, 1990, Edmonton, Alberta, Canada, pp. 231-242.

Comparison of Techniques for Forcing an Oil Spill Trajectory Model, Theresa Paluszkiewicz and Charles F. Marshall, Proceedings of 1989 Oil Spill Conference (Prevention, Behavior, Control, Cleanup), San Antonio, TX, February 13-16, 1989, pp. 547-553.

Oil Spill Risk: Aspects of Assessment and Perception, Robert P. LaBelle, Pacific OCS Information Transfer Meeting, Minerals Management Service, Santa Barbara, CA, May 31-June 1, 1989.

*Update of Occurrence Rates for Accidental Oil Spills on the U.S. Outer Continental Shelf*, Cheryl M. Anderson and Robert P. LaBelle, Proceedings of IEEE OCEANS '88, Oct. 31 - Nov. 2, 1988, pp. 1673-1676.

Oil Spill Trajectory Analysis on the Alaskan Outer Continental Shelf, Robert P. LaBelle, Proceedings of the 11th Arctic and Marine Oil Spill Program Technical Seminar, Vancouver, B.C., June 7-9, 1988, pp. 367-376.

Revised Offshore Oil Spill Occurrence Rates for the Outer Continental Shelf (Abstract), Cheryl M. Anderson and Robert P. LaBelle, Proceedings of 1987 Oil Spill Conference, Baltimore, MD, April 6-9, 1987, p. 630

Comparison of Buoy Winds with Model Winds Used in Oil Spill Trajectory Modeling, Teresa Paluszkiewicz and Robert P. LaBelle, 1987, 1988 Ocean Sciences Meeting: EOS Transactions, American Geophysical Union, vol. 68, no. 50, p. 1756.

Use of Applied Oceanography in Stochastic Modeling of Oil Spills on the Outer Continental Shelf, Robert P. LaBelle, Proceedings of IEEE OCEANS '86 Conference, Washington, DC, September 23-25, 1986, pp. 1396-1399.

Analysis of the Sensitivity to Variations in Wind Deflection Angle of Oil Spill Trajectories Modeled Off the California Coast, Robert P. LaBelle, Transactions, American Geophysical Union, EOS 65(45):940, November 6, 1984.

Coupling of Oil Spill Modeling in the Gulf of Mexico With A Method for Ranking Biological Resources, Robert P. LaBelle and J. Kenneth Adams, December 27, 1983, Transactions, American Geophysical Union, EOS 64(52):1056.

*Oilspill Trajectory Modelling in the Beaufort Sea*, William B. Samuels, December 27, 1983, Transactions, American Geophysical Union, EOS 64(52):1049.

A Reexamination of Occurrence Rates for Accidental Oilspills on the U.S. Outer Continental Shelf, Kenneth J. Lanfear and David E. Amstutz, Proceedings of the Eighth Conference on the Prevention, Behavior, Control, and Cleanup of Oil Spills, American Petroleum Institute Publ. No. 4356, 1983, pp. 355-359.

The Relative Contributions of Local Wind Drift and Geostrophic Surface Currents to the Movement of Potential Oilspills on the U.S. Pacific Outer Continental Shelf, William B. Samuels, Robert P. LaBelle, and David E. Amstutz, November 9, 1982, Transactions, American Geophysical Union, EOS 63(45):1003.

A Comparative Analysis of Surface Water Velocity Fields Off the Southern California Coast - Implications for Oil Spill Trajectory Modeling, Robert P. LaBelle, William B. Samuels, and David E. Amstutz, November 9, 1982, Transactions, American Geophysical Union, EOS 63(45):1003.

Applications of the USGS Oilspill Trajectory Analysis (OSTA) Model to Decisions Regarding OCS Oil Development, Kenneth J. Lanfear, Proceedings of the Workshop on Government Oilspill Modeling, Wallops Island, VA, November 7-9, 1979, pp. 13-14.

*The USGS Oilspill Trajectory Analysis Model*, William B. Samuels, Proceedings of the Workshop on Government Oilspill Modeling, Wallops Island, VA, November 7-9, 1979, 20 p.